

Sequence Listing

<110> Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
Hillan, Kenneth J.
Polakis, Paul
Smith, Victoria
Wood, William I.
Wu, Thomas D.
Zhang, Zemin

<120> COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF TUMOR

<130> P5002R1

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Asp Ile Lys Leu Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly			
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Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu			
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				95					100					105	
Asp	Gln	Val	Ile	Val	Gly	Asn	Ala	Ser	Leu	Arg	Leu	Lys	Asn	Val	
				110					115					120	
Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr	Lys	Cys	Tyr	Ile	Ile	Thr	Ser	
				125					130					135	
Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu	Tyr	Lys	Thr	Gly	Ala	Phe	
				140					145					150	
Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn	Ala	Ser	Ser	Glu	Thr	
				155					160					165	
Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln	Pro	Thr	Val	Val	
				170					175					180	
Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser	Glu	Val	Ser	
				185					190					195	
Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met	Lys	Val	
				200					205					210	
Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser	Cys	
				215					220					225	
Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val	
				230					235					240	
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	
				245					250					255	
Ser	Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	
				260					265					270	
Ala	Leu	Leu	Pro	Leu	Ser	Pro	Tyr	Leu	Met	Leu	Lys				
				275					280						

<210> 9
 <211> 374
 <212> PRT
 <213> Homo Sapien

<400> 9															
Met	Val	Leu	Trp	Glu	Ser	Pro	Arg	Gln	Cys	Ser	Ser	Trp	Thr	Leu	
1				5					10					15	
Cys	Glu	Gly	Phe	Cys	Trp	Leu	Leu	Leu	Leu	Pro	Val	Met	Leu	Leu	
				20					25					30	
Ile	Val	Ala	Arg	Pro	Val	Lys	Leu	Ala	Ala	Phe	Pro	Thr	Ser	Leu	
				35					40					45	
Ser	Asp	Cys	Gln	Thr	Pro	Thr	Gly	Trp	Asn	Cys	Ser	Gly	Tyr	Asp	
				50					55					60	
Asp	Arg	Glu	Asn	Asp	Leu	Phe	Leu	Cys	Asp	Thr	Asn	Thr	Cys	Lys	
				65					70					75	
Phe	Asp	Gly	Glu	Cys	Leu	Arg	Ile	Gly	Asp	Thr	Val	Thr	Cys	Val	
				80					85					90	

Cys	Gln	Phe	Lys	Cys	Asn	Asn	Asp	Tyr	Val	Pro	Val	Cys	Gly	Ser	95	100	105
Asn	Gly	Glu	Ser	Tyr	Gln	Asn	Glu	Cys	Tyr	Leu	Arg	Gln	Ala	Ala	110	115	120
Cys	Lys	Gln	Gln	Ser	Glu	Ile	Leu	Val	Val	Ser	Glu	Gly	Ser	Cys	125	130	135
Ala	Thr	Asp	Ala	Gly	Ser	Gly	Ser	Gly	Asp	Gly	Val	His	Glu	Gly	140	145	150
Ser	Gly	Glu	Thr	Ser	Gln	Lys	Glu	Thr	Ser	Thr	Cys	Asp	Ile	Cys	155	160	165
Gln	Phe	Gly	Ala	Glu	Cys	Asp	Glu	Asp	Ala	Glu	Asp	Val	Trp	Cys	170	175	180
Val	Cys	Asn	Ile	Asp	Cys	Ser	Gln	Thr	Asn	Phe	Asn	Pro	Leu	Cys	185	190	195
Ala	Ser	Asp	Gly	Lys	Ser	Tyr	Asp	Asn	Ala	Cys	Gln	Ile	Lys	Glu	200	205	210
Ala	Ser	Cys	Gln	Lys	Gln	Glu	Lys	Ile	Glu	Val	Met	Ser	Leu	Gly	215	220	225
Arg	Cys	Gln	Asp	Asn	Thr	Thr	Thr	Thr	Thr	Lys	Ser	Glu	Asp	Gly	230	235	240
His	Tyr	Ala	Arg	Thr	Asp	Tyr	Ala	Glu	Asn	Ala	Asn	Lys	Leu	Glu	245	250	255
Glu	Ser	Ala	Arg	Glu	His	His	Ile	Pro	Cys	Pro	Glu	His	Tyr	Asn	260	265	270
Gly	Phe	Cys	Met	His	Gly	Lys	Cys	Glu	His	Ser	Ile	Asn	Met	Gln	275	280	285
Glu	Pro	Ser	Cys	Arg	Cys	Asp	Ala	Gly	Tyr	Thr	Gly	Gln	His	Cys	290	295	300
Glu	Lys	Lys	Asp	Tyr	Ser	Val	Leu	Tyr	Val	Val	Pro	Gly	Pro	Val	305	310	315
Arg	Phe	Gln	Tyr	Val	Leu	Ile	Ala	Ala	Val	Ile	Gly	Thr	Ile	Gln	320	325	330
Ile	Ala	Val	Ile	Cys	Val	Val	Val	Leu	Cys	Ile	Thr	Arg	Lys	Cys	335	340	345
Pro	Arg	Ser	Asn	Arg	Ile	His	Arg	Gln	Lys	Gln	Asn	Thr	Gly	His	350	355	360
Tyr	Ser	Ser	Asp	Asn	Thr	Thr	Arg	Ala	Ser	Thr	Arg	Leu	Ile		365	370	

<210> 10

<211> 454

<212> PRT

<213> Homo Sapien

<400> 10

Met Glu Ser Ile Ser Met Met Gly Ser Pro Lys Ser Leu Ser Glu

1	5	10	15
Thr Cys Leu Pro Asn Gly Ile Asn Gly Ile Lys Asp Ala Arg Lys	20	25	30
Val Thr Val Gly Val Ile Gly Ser Gly Asp Phe Ala Lys Ser Leu	35	40	45
Thr Ile Arg Leu Ile Arg Cys Gly Tyr His Val Val Ile Gly Ser	50	55	60
Arg Asn Pro Lys Phe Ala Ser Glu Phe Phe Pro His Val Val Asp	65	70	75
Val Thr His His Glu Asp Ala Leu Thr Lys Thr Asn Ile Ile Phe	80	85	90
Val Ala Ile His Arg Glu His Tyr Thr Ser Leu Trp Asp Leu Arg	95	100	105
His Leu Leu Val Gly Lys Ile Leu Ile Asp Val Ser Asn Asn Met	110	115	120
Arg Ile Asn Gln Tyr Pro Glu Ser Asn Ala Glu Tyr Leu Ala Ser	125	130	135
Leu Phe Pro Asp Ser Leu Ile Val Lys Gly Phe Asn Val Val Ser	140	145	150
Ala Trp Ala Leu Gln Leu Gly Pro Lys Asp Ala Ser Arg Gln Val	155	160	165
Tyr Ile Cys Ser Asn Asn Ile Gln Ala Arg Gln Gln Val Ile Glu	170	175	180
Leu Ala Arg Gln Leu Asn Phe Ile Pro Ile Asp Leu Gly Ser Leu	185	190	195
Ser Ser Ala Arg Glu Ile Glu Asn Leu Pro Leu Arg Leu Phe Thr	200	205	210
Leu Trp Arg Gly Pro Val Val Val Ala Ile Ser Leu Ala Thr Phe	215	220	225
Phe Phe Leu Tyr Ser Phe Val Arg Asp Val Ile His Pro Tyr Ala	230	235	240
Arg Asn Gln Gln Ser Asp Phe Tyr Lys Ile Pro Ile Glu Ile Val	245	250	255
Asn Lys Thr Leu Pro Ile Val Ala Ile Thr Leu Leu Ser Leu Val	260	265	270
Tyr Leu Ala Gly Leu Leu Ala Ala Ala Tyr Gln Leu Tyr Tyr Gly	275	280	285
Thr Lys Tyr Arg Arg Phe Pro Pro Trp Leu Glu Thr Trp Leu Gln	290	295	300
Cys Arg Lys Gln Leu Gly Leu Leu Ser Phe Phe Phe Ala Met Val	305	310	315
His Val Ala Tyr Ser Leu Cys Leu Pro Met Arg Arg Ser Glu Arg	320	325	330

Tyr	Leu	Phe	Leu	Asn	Met	Ala	Tyr	Gln	Gln	Val	His	Ala	Asn	Ile
				335					340					345
Glu	Asn	Ser	Trp	Asn	Glu	Glu	Glu	Val	Trp	Arg	Ile	Glu	Met	Tyr
				350					355					360
Ile	Ser	Phe	Gly	Ile	Met	Ser	Leu	Gly	Leu	Leu	Ser	Leu	Leu	Ala
				365					370					375
Val	Thr	Ser	Ile	Pro	Ser	Val	Ser	Asn	Ala	Leu	Asn	Trp	Arg	Glu
				380					385					390
Phe	Ser	Phe	Ile	Gln	Ser	Thr	Leu	Gly	Tyr	Val	Ala	Leu	Leu	Ile
				395					400					405
Ser	Thr	Phe	His	Val	Leu	Ile	Tyr	Gly	Trp	Lys	Arg	Ala	Phe	Glu
				410					415					420
Glu	Glu	Tyr	Tyr	Arg	Phe	Tyr	Thr	Pro	Pro	Asn	Phe	Val	Leu	Ala
				425					430					435
Leu	Val	Leu	Pro	Ser	Ile	Val	Ile	Leu	Asp	Leu	Leu	Gln	Leu	Cys
				440					445					450
Arg	Tyr	Pro	Asp											